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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/903,190

DATE: 02/20/2003

TIME: 07:12:58

Input Set : N:\Crf3\RULE60\09903190.RAW.txt

Output Set: N:\CRF4\02202003\I903190.raw

1 <110> APPLICANT: Dumas Milne Edwards, Jean-Baptiste
2 Duclert, Aymeric
3 Bougueleret, Lydie
4 <120> TITLE OF INVENTION: Complementary DNAs
5 <130> FILE REFERENCE: GENSET.021A
6 <140> CURRENT APPLICATION NUMBER: US/09/903,190
7 <141> CURRENT FILING DATE: 2001-07-11
8 <150> PRIOR APPLICATION NUMBER: US/09/247,155A
9 <151> PRIOR FILING DATE: 1999-02-09
10 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/074,121
W--> 11 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-09
12 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/081,563
W--> 13 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-13
14 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/096,116
W--> 15 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-10
16 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/099,273
W--> 17 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-04
18 <160> NUMBER OF SEQ ID NOS: 182
19 <170> SOFTWARE: Patent.pm
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 47
23 <212> TYPE: RNA
24 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: in vitro transcription product
27 <220> FEATURE:
28 <221> NAME/KEY: modified_base
29 <222> LOCATION: 1
30 <223> OTHER INFORMATION: m7g
31 <400> SEQUENCE: 1
32 ggcauccuac ucccauccaa uuuccacccua acuccuccca ucuccac 47
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 46
36 <212> TYPE: RNA
37 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: in vitro transcription product
40 <400> SEQUENCE: 2
41 gcauccuacu cccauccaa uccacccuaa cuccucccau cuccac 46
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 25
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence

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47 <220> FEATURE:
48 <223> OTHER INFORMATION: oligonucleotide
49 <400> SEQUENCE: 3
50     atcaagaatt cgcacgagac catta                                25
52 <210> SEQ ID NO: 4
53 <211> LENGTH: 25
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
56 <220> FEATURE:
57 <223> OTHER INFORMATION: oligonucleotide
58 <400> SEQUENCE: 4
59     taatggtctc gtgcgaattc ttgat                                25
61 <210> SEQ ID NO: 5
62 <211> LENGTH: 25
63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: oligonucleotide
67 <400> SEQUENCE: 5
68     ccgacaagac caacgtcaag gccgc                                25
69 <210> SEQ ID NO: 6
70 <211> LENGTH: 25
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: oligonucleotide
76 <400> SEQUENCE: 6
77     tcaccagcag gcagtggctt aggag                                25
79 <210> SEQ ID NO: 7
80 <211> LENGTH: 25
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: oligonucleotide
85 <400> SEQUENCE: 7
86     agtgatttcct gctactttgg atggc                                25
88 <210> SEQ ID NO: 8
89 <211> LENGTH: 25
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: oligonucleotide
94 <400> SEQUENCE: 8
95     gcttggtctt gttctggagt ttaga                                25
97 <210> SEQ ID NO: 9
98 <211> LENGTH: 25
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:

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PATENT APPLICATION: US/09/903,190 TIME: 07:12:58

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 Output Set: N:\CRF4\02202003\I903190.raw

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157 <211> LENGTH: 9
158 <212> TYPE: D
159 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: oligonucleotide
162 <400> SEQUENCE: 15
163 ccagcagagt cacgagagag attacac 29
164 .0> SEQ ID NO: 16
165 <211> LENGTH: 25
166 <212> TYPE: Artificial Sequence
167 <223> OTHER INFORMATION: oligonucleotide
168 <400> SEQUENCE: 16
169 tqagag actt 25
170 .0> SEQ ID NO: 17
171 <211>
172 <212> TYPE: DNA
173 <213> ORGANISM: Homo Sapiens
174 <220> FEATURE:
175 <221> NAME/KEY: misc_feature
176 <222> LOCATION: complement(261..376)
177 <223> OTHER INFORMATION: blastn
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: complement(380..486)
181 <223> OTHER INFORMATION: blastn
182 <220> FEATURE:
183 <221> NAME/KEY: misc_feature
184 <222> LOCATION: complement(110..145)
185 <223> OTHER INFORMATION: blastn
186 <220> FEATURE:
187 <221> NAME/KEY: misc_feature
188 <222> LOCATION: complement(196..229)
189 <223> OTHER INFORMATION: blastn
190 <220> FEATURE:
191 <221> NAME/KEY: misc_feature
192 <222> LOCATION: complement(196..229)
193 <223> OTHER INFORMATION: blastn
194 <220> FEATURE:
195 <221> NAME/KEY: sig_peptide
196 <222> LOCATION: 90..140
197 <223> OTHER INFORMATION: Von Heijne matrix
198 <220> FEATURE:
199 <221> NAME/KEY: misc_feature
200 <222> LOCATION: 290
201 <223> OTHER INFORMATION: n=a, g, c or t
202 <400> SEQUENCE: 17
203 aatatrarac agctacaata ttccaggccc artcaacttgc catttctcat aacagcgta 60
204 gagagaaaaga actgactgar acgtttgag atg aag aaa gtt ctc ctc ctg tc 113
205 Met Lys Lys Val Leu Leu Leu Ile
206 -15 -10
207 aca gcc atc ttg gca gtg gct gtw ggt ttc cca gtc tct caa gac cag 161

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Input Set : N:\Crf3\RULE60\09903190.RAW.txt
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208	Thr Ala Ile Leu Ala Val Ala Val Gly Phe Pro Val Ser Gln Asp Gln		
209	-5	1	5
210	gaa cga gaa aaa aga agt atc agt gac agc gat gaa tta gct tca ggr	209	
211	Glu Arg Glu Lys Arg Ser Ile Ser Asp Ser Asp Glu Leu Ala Ser Gly		
212	10 15 20		
213	wtt ttt gtg ttc cct tac cca tat cca ttt cgc cca ctt cca cca att	257	
W--> 214	Xaa Phe Val Phe Pro Tyr Pro Tyr Pro Phe Arg Pro Leu Pro Pro Ile		
215	25 30 35		
216	cca ttt cca aga ttt cca tgg ttt aga cgt aan ttt cct att cca ata	305	
217	Pro Phe Pro Arg Phe Pro Trp Phe Arg Arg Xaa Phe Pro Ile Pro Ile		
218	40 45 50 55		
219	cct gaa tct gcc cct aca act ccc ctt cct agc gaa aag taaaacaaraa	354	
220	Pro Glu Ser Ala Pro Thr Thr Pro Leu Pro Ser Glu Lys		
221	60 65		
222	ggaaaaagtca crataaacct ggtcacctga aattgaaatt gagccacttc cttgaaraat	414	
223	caaaaattcct gttataaaaa raaaaacaaa tgtaattgaa atagcacacaca gcattctcta	474	
224	gtcaatatct ttagtgatct tctttaataa acatgaaagc aaaaaaaaaaa aa	526	
226 <210>	SEQ ID NO: 18		
227 <211>	LENGTH: 17		
228 <212>	TYPE: PRT		
229 <213>	ORGANISM: Homo Sapiens		
230 <220>	FEATURE:		
231 <221>	NAME/KEY: SIGNAL		
232 <222>	LOCATION: 1..17		
233 <223>	OTHER INFORMATION: Von Heijne matrix		
234	score 8.2		
235	seq LLLITAILAVAVG/FP		
236 <400>	SEQUENCE: 18		
237	Met Lys Lys Val Leu Leu Leu Ile Thr Ala Ile Leu Ala Val Ala Val		
238	1 5 10 15		
239	Gly		
241 <210>	SEQ ID NO: 19		
242 <211>	LENGTH: 822		
243 <212>	TYPE: DNA		
244 <213>	ORGANISM: Homo Sapiens		
245 <220>	FEATURE:		
246 <221>	NAME/KEY: misc_feature		
247 <222>	LOCATION: 260..464		
248 <223>	OTHER INFORMATION: blastn		
249 <220>	FEATURE:		
250 <221>	NAME/KEY: misc_feature		
251 <222>	LOCATION: 118..184		
252 <223>	OTHER INFORMATION: blastn		
253 <220>	FEATURE:		
254 <221>	NAME/KEY: misc_feature		
255 <222>	LOCATION: 56..113		
256 <223>	OTHER INFORMATION: blastn		
257 <220>	FEATURE:		
258 <221>	NAME/KEY: misc_feature		

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/20/2003
PATENT APPLICATION: US/09/903,190 TIME: 07:12:59

Input Set : N:\Crf3\RULE60\09903190.RAW.txt
Output Set: N:\CRF4\02202003\I903190.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:14; N Pos. 67
Seq#:17; N Pos. 290
Seq#:17; Xaa Pos. 24,50
Seq#:19; N Pos. 115
Seq#:19; Xaa Pos. 31
Seq#:21; Xaa Pos. 3
Seq#:23; N Pos. 101
Seq#:23; Xaa Pos. -2,26,27,35
Seq#:24; Xaa Pos. 14
Seq#:25; Xaa Pos. 69,106,118,134,141
Seq#:27; Xaa Pos. 156,157,170,171
Seq#:34; N Pos. 335,376
Seq#:53; N Pos. 1
Seq#:130; Xaa Pos. -5,42,58
Seq#:131; Xaa Pos. 49,74,75,88,98,104,112,114,120
Seq#:133; Xaa Pos. 48
Seq#:134; Xaa Pos. 27,28,43,44,49,50,52,53
Seq#:135; Xaa Pos. -65,31,34
Seq#:136; Xaa Pos. 48,52,55,59,65
Seq#:138; Xaa Pos. 81,84,87,131,135,143,156
Seq#:139; Xaa Pos. 32,91,98
Seq#:141; Xaa Pos. 32,100
Seq#:142; Xaa Pos. 31,84,88,90,94,100,110,113,117,122,152,153,173,193,194
Seq#:143; Xaa Pos. 37,43
Seq#:144; Xaa Pos. 56,70,107,110,113,178,181,183,195,200,202,204,230,231
Seq#:144; Xaa Pos. 244
Seq#:146; Xaa Pos. 74
Seq#:147; Xaa Pos. 4
Seq#:148; N Pos. 745
Seq#:148; Xaa Pos. -26,-25,-24
Seq#:149; N Pos. 482
Seq#:149; Xaa Pos. 40,41,43,60,70,76,82,86,105,107
Seq#:150; Xaa Pos. 59,69,78,85,87
Seq#:151; Xaa Pos. 70,139,141,154,156,165
Seq#:154; Xaa Pos. 24,25,29,87
Seq#:155; Xaa Pos. -5,42,58
Seq#:156; Xaa Pos. 49,74,75,88,98,104,112,114,120
Seq#:158; Xaa Pos. 48
Seq#:159; Xaa Pos. 27,28,43,44,49,50,52,53
Seq#:160; Xaa Pos. -65,31,34
Seq#:161; Xaa Pos. 48,52,55,59,65
Seq#:163; Xaa Pos. 81,84,87,131,135,143,156
Seq#:164; Xaa Pos. 32,91,98
Seq#:166; Xaa Pos. 32,100

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/20/2003
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Input Set : N:\Crf3\RULE60\09903190.RAW.txt
Output Set: N:\CRF4\02202003\I903190.raw

Seq#:167; Xaa Pos. 31,84,88,90,94,100,110,113,117,122,152,153,173,193,194
Seq#:168; Xaa Pos. 37,43
Seq#:169; Xaa Pos. 56,70,107,110,113,178,181,183,195,200,202,204,230,231
Seq#:169; Xaa Pos. 244
Seq#:171; Xaa Pos. 74
Seq#:172; Xaa Pos. 4
Seq#:173; Xaa Pos. -26,-25,-24

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/903,190

DATE: 02/20/2003

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Input Set : N:\Crf3\RULE60\09903190.RAW.txt

Output Set: N:\CRF4\02202003\I903190.raw

L:11 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:13 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:15 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:17 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:60
L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:257
M:341 Repeated in SeqNo=17
L:295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:60
M:341 Repeated in SeqNo=19
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:325
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:60
M:341 Repeated in SeqNo=23
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:345
M:341 Repeated in SeqNo=25
L:552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:580
M:341 Repeated in SeqNo=27
L:909 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:300
M:341 Repeated in SeqNo=34
L:1842 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0
L:4994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 after pos.:98
M:341 Repeated in SeqNo=130
L:5052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131 after pos.:298
M:341 Repeated in SeqNo=131
L:5166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:133 after pos.:404
L:5218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:407
M:341 Repeated in SeqNo=134
L:5253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 after pos.:49
M:341 Repeated in SeqNo=135
L:5315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136 after pos.:246
M:341 Repeated in SeqNo=136
L:5411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:138 after pos.:394
M:341 Repeated in SeqNo=138
L:5471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139 after pos.:254
M:341 Repeated in SeqNo=139
L:5588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141 after pos.:288
M:341 Repeated in SeqNo=141
L:5637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:198
M:341 Repeated in SeqNo=142
L:5718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:143 after pos.:341
L:5771 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144 after pos.:291
M:341 Repeated in SeqNo=144
L:5906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146 after pos.:352
L:5983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:147 after pos.:316
L:6022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148 after pos.:162
M:341 Repeated in SeqNo=148
L:6083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:149 after pos.:371
M:341 Repeated in SeqNo=149

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Input Set : N:\Crfr3\RULE60\09903190.RAW.txt

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L:6144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150 after pos.:348
M:341 Repeated in SeqNo=150
L:6200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151 after pos.:349
M:341 Repeated in SeqNo=151
L:6420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:296
M:341 Repeated in SeqNo=154